

L Number	Hits	Search Text	DB	Time stamp
1	1	("20030073295").PN.	USPAT;	2003/11/12
2	1	("20030001242").PN.	US-PGPUB	14:16
3	13	(HSG or (hemispheric adj grain adj polysilicon)) and (GeSbTe or chalcogenide or (phase adj change))	USPAT;	2003/11/12
4	0	(HSG or (hemispheric adj grain adj polysilicon)) and (GeSbTe or chalcogenide or (phase adj change))	US-PGPUB	14:26
5	0	(HSG or (hemispherical adj grained adj polysilicon)) and (GeSbTe or chalcogenide or (phase adj change))	USPAT;	2003/11/12
6	13	(HSG or (hemispherical adj grained adj polysilicon)) and (GeSbTe or chalcogenide or (phase adj change))	EPO; JPO; DERWENT;	2003/11/12
7	0	((HSG or (hemispherical adj grained adj polysilicon)) and (GeSbTe or chalcogenide or (phase adj change))) not ((HSG or (hemispheric adj grain adj polysilicon)) and (GeSbTe or chalcogenide or (phase adj change)))	IBM_TDB	15:17
8	24615	(GeSbTe or chalcogenide or (phase adj change))	EPO; JPO; DERWENT;	2003/11/12
9	7346	((GeSbTe or chalcogenide or (phase adj change))) and (dielectric or insulative or insulator or insulating)	IBM_TDB	15:17
10	12	((((GeSbTe or chalcogenide or (phase adj change))) and (dielectric or insulative or insulator or insulating))) and HSG	USPAT;	2003/11/12
11	0	((((GeSbTe or chalcogenide or (phase adj change))) and (dielectric or insulative or insulator or insulating))) and HSG not ((HSG or (hemispherical adj grained adj polysilicon)) and (GeSbTe or chalcogenide or (phase adj change)))	US-PGPUB	15:24
12	2161	((((GeSbTe or chalcogenide or (phase adj change))) and (dielectric or insulative or insulator or insulating))) and (bond or bonding)	USPAT;	2003/11/12
15	1802	((((GeSbTe or chalcogenide or (phase adj change))) and (dielectric or insulative or insulator or insulating))) and (bond or bonding)) and @ad<20011231	US-PGPUB	15:25
16	486	(((((GeSbTe or chalcogenide or (phase adj change))) and (dielectric or insulative or insulator or insulating))) and (bond or bonding)) and @ad<20011231) and memory	USPAT;	2003/11/12
17	0	(((((GeSbTe or chalcogenide or (phase adj change))) and (dielectric or insulative or insulator or insulating))) and (bond or bonding)) and @ad<20011231) and memory) and hsg	US-PGPUB	15:34
18	0	(((((GeSbTe or chalcogenide or (phase adj change))) and (dielectric or insulative or insulator or insulating))) and (bond or bonding)) and @ad<20011231) and memory) and (hemispherical adj grained)	USPAT;	2003/11/12
19	0	(TeGeSb or GeSbTe) and (hemispherical adj grained)	US-PGPUB	15:35
20	1	(phase with change) and (hemispherical adj grained)	USPAT;	2003/11/12
21	0	(phase with change) and (hemispherical adj grained)	US-PGPUB	15:37
23	2	(adhesion with (hemispherical adj grained))	EPO; JPO; DERWENT;	2003/11/12
			IBM_TDB	15:55

24	1	(adhesion with (hemispherical adj grained))	USPAT; US-PGPUB	2003/11/12 15:55
25	3	(adhesion same (hemispherical adj grained))	USPAT; US-PGPUB	2003/11/12 15:56

DERWENT-ACC-NO: 1999-287070

DERWENT-WEEK: 200012

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TITLE: Manufacture of a stacked capacitor
structure for a DRAM cell

----- KWIC -----

Basic Abstract Text - ABTX (1):

NOVELTY - A stacked capacitor structure for a DRAM cell is manufactured using hemispherical grained polysilicon covered by a thin heavily doped polysilicon layer for improved adhesion and reduced capacitor depletion.

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hemispheric grain polysilicon

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1 **A 0.54 μm^2 self-aligned, HSG floating gate cell (SAHF cell) for 256 Mbit flash memories**
Shirai, H.; Kubota, T.; Honma, I.; Watanabe, H.; Ono, H.; Okazawa, T.;
Electron Devices Meeting, 1995., International , 10-13 Dec. 1995
Page(s): 653 -656

[Abstract] [PDF Full-Text (368 KB)] IEEE CNF

2 **Trends in DRAM dielectrics**
Tang, K.S.; Lau, W.S.; Samudra, G.S.;
Circuits and Devices Magazine, IEEE , Volume: 13 Issue: 3 , May 1997
Page(s): 27 -34

[Abstract] [PDF Full-Text (892 KB)] IEEE JNL

3 **Fabrication and performance of selective HSG storage cells for 256 Mb and 1 Gb DRAM applications**
Banerjee, A.; Wise, R.L.; Plumton, D.L.; Bevan, M.; Pas, M.F.; Crenshaw, D.L.; Aoyama, S.; Mansoori, M.M.;
Electron Devices, IEEE Transactions on , Volume: 47 Issue: 3 , March 2000
Page(s): 584 -592

[Abstract] [PDF Full-Text (1088 KB)] IEEE JNL

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